

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1-12. Canceled

13. (Currently Amended) An actuating unit for an electromechanically actuated disc brake for use with automotive vehicles, which is disposed on a brake caliper wherein two friction linings are disposed in a manner limitedly displaceable, cooperating with respectively one side face of a brake disc, with one of the said friction linings by means of an actuating element, through the actuating unit, being movable into engagement with the brake disc directly, and the other of said friction linings being movable into engagement with the brake disc through the action of a reaction force applied by the brake caliper, wherein the actuating unit comprises an electric motor and a reduction gear operatively disposed between the electric motor and the actuating element, which reduction gear is formed of a threaded drive accommodated by a guide piece axially supported on the brake caliper or a gearbox housing connected to the brake caliper, wherein provided between the guide piece and the brake caliper or the gearbox housing connected to the brake caliper is a sensor device for sensing the reaction force resulting from the actuating force applied by the actuating unit, and wherein the sensor device is axially locked relative to the guide piece and axially locked relative to the brake caliper or the gearbox housing connected to the brake caliper, wherein the sensor device includes at least one radially extending first member configured to engage the guide piece to axially lock the sensor relative thereto and at least one radially extending second member configured to engage the brake caliper or the gearbox housing connected to the brake caliper to axially lock the sensor relative thereto.

14. Canceled

15. (Previously Presented) An actuating unit according to claim 13, wherein the sensor device comprises means for radially guiding the guide piece.

16. (Previously Presented) An actuating unit according to claim 13, wherein the sensor device comprises an annular holder on which are circumferentially distributed three pressure-measuring elements.

17. (Previously Presented) An actuating unit according to claim 16, wherein the annular holder is made of plastic material.

18. (Previously Presented) An actuating unit according to claims 16, wherein the pressure-measuring elements are of a square-type configuration and are provided with strain gauge faces disposed in a plane extending in a direction normal to the admission of the reaction force.

19. (Previously Presented) An actuating unit according to claim 18, wherein the annular holder comprises contacting means for contacting the strain gauge faces.

20. (Previously Presented) An actuating unit according to claim 19, wherein the contacting means are formed of a punched grid injection-molded from plastic material, enabling electric signals to be communicated and being connected by thin-wire bonds to the strain gauge faces.

21. (Previously Presented) An actuating unit according to claim 16, wherein the annular holder is provided with an electric plug for connection of the strain gauge faces.

22. (Previously Presented) An actuating unit according to claim 21, wherein the electric plug comprises an electronic analyzer.

23. (Previously Presented) An actuating unit according to claim 18, wherein the strain gauge faces are bridge-circuited.

Claims 24 - 25 Canceled